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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/015,965	11/30/2001	Yannick Vincent	FR 000130	6951

7590 10/24/2002

Philips Electronics North America Corporation  
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[REDACTED] EXAMINER

NGUYEN, KIMBERLY D

ART UNIT	PAPER NUMBER
2876	

DATE MAILED: 10/24/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.	Applicant(s)
10/015,965	VINCENT, YANNICK
Examiner	Art Unit
Kimberly D. Nguyen	2876

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

1) Responsive to communication(s) filed on \_\_\_\_\_.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

4) Claim(s) 1-8 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1,3-5,7 and 8 is/are rejected.

7) Claim(s) 2 and 6 is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All b) Some \* c) None of:

1. Certified copies of the priority documents have been received.

2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

1) Notice of References Cited (PTO-892)  
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5.

4) Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.  
5) Notice of Informal Patent Application (PTO-152)  
6) Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Priority***

1. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). Receipt is acknowledged of the Information Disclosure statement filed on November 30, 2001.
2. ***Specification***
3. The abstract of the disclosure is objected to because the phrase "Fig. 1" on line 11 should be deleted. Also, the abstract should be in a single paragraph. Correction is required. See MPEP § 608.01(b).
4. The disclosure is objected to because of the following informalities:
  - Page 5, line 23: The phrase "data are" should be replaced with "data is".Appropriate correction is required.

### ***Claim Objections***

5. Claim 1 is objected to because of the following informalities:
  - Claim 1, line 4: The word "intended" is indefinite.
  - Claim 1, line 6: The "the value of" lacks of antecedent basis.
  - Claim 2, line 2: The "type" should be replaced with "card".

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1, 3-5, and 7-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shona (US 6,299,069) in view of Muwafi et al. (US 5,978,822).

Re claims 1, 3, 5 and 7: Shona teaches a data processing system which comprises a microprocessor/processor 13, and a communication device 13 communicating with an electronic module 1 intended to send a conventional signal to the microprocessor/processor 13, wherein the data processing system allows inversion or non-inversion data of the conventional signal during transfer of the word between the electronic module and the microprocessor/processor 13 (see figs. 1 and 5; col. 2, line 45 through col. 3, line 21; col. 4, lines 56-67).

Shona is silent with respect to the order of bits of word.

Muwafi teaches circuit which allows inversion or non-inversion of the value of the bits of the word of the conventional signal (see fig. 7-8; col. 3, lines 22-42; and col. 13, line 62 through col. 14, line 36).

Re claims 4 and 8: Muwafi teaches a circuit which comprises switches (fig. 9, lines 19-25) and a post shift unit 80 to shift (to the left or right) the bits of each value processed (fig. 5; col. 8, lines 31-45).

It would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to incorporate the notoriously old and well known the order of bits of the word as taught by Muwafi to the teachings of Shona in order to provide the instant system with a reduction of time for processing operations.

*Allowable Subject Matter*

8. Claims 2 and 6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

*Conclusion*

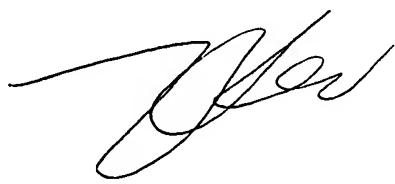
9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sakamoto et al. (US 6,377,356) teaches a method of printing on both sides of sheet without using a both side printing mechanism and an apparatus for use therewith. Bellinger et al. (US 6,023,705) teaches a multiple CD index and loading system and method.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly D. Nguyen whose telephone number is 703-305-1798. The examiner can normally be reached on Monday-Friday 7:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 703-305-3503. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-1341 for regular communications and 703-305-1341 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-8792.

KDN  
October 18, 2002



THIEN M. LE  
PRIMARY EXAMINER